Federal Operating Permit
Article 1

This permit is based upon the requirements of Title V of the Federal Clean Air Act and Chapter 80, Article 1 of the Commonwealth of Virginia Regulations for the Control and Abatement of Air Pollution. Until such time as this permit is reopened and revised, modified, revoked, terminated or expires, the permittee is authorized to operate in accordance with the terms and conditions contained herein. This permit is issued under the authority of Title 10.1, Chapter 13, §10.1-1322 of the Air Pollution Control Law of Virginia. This permit is issued consistent with the Administrative Process Act, and 9 VAC 5-80-50 through 9 VAC 5-80-300 of the State Air Pollution Control Board Regulations for the Control and Abatement of Air Pollution of the Commonwealth of Virginia.

Authorization to operate a Stationary Source of Air Pollution as described in this permit is hereby granted to:

Permittee Name:	Mr. Jeffrey P. Burrier, P. E.
Facility Name: Facility Location:	Brunswick Waste Management Facility, LLC 107 Mallard Crossing Road Lawrenceville, Virginia
Registration Number: Permit Number:	31007 PRO-31007

June 22, 2005
Effective Date

June 21, 2010
Expiration Date

Robert G. Burnley
Director, Department of Environmental Quality

June 22, 2005
Signature Date

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I. Facility Information

Permittee
Brunswick Waste Management Facility, LLC
107 Mallard Crossing Road
Lawrenceville, Virginia 23868

Facility
Brunswick Waste Management Facility, LLC
107 Mallard Crossing Road
Lawrenceville, Virginia 23868

Responsible Official
Mr. Jeffrey P. Burrier, P.E.
General Manager

Contact person
Mr. Jeffrey P. Burrier, P.E.
General Manager
(434) 848-9277

County-Plant Identification Number: 51-025-0030

Facility Description: NAICS Code 562212 – Municipal solid waste (MSW) is disposed in the Sanitary Landfill Area (SLA) cells 1A, 2, 3, 4, 5 and 6; decomposing waste produces landfill gas; MSW ash is placed in cells A1, A2, B, C, D, and E (Northern Solid Waste Disposal Area – NSWDA), which does not contribute to landfill gas production.

II. Emission Units

Equipment to be operated consists of:

Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Capacity	Pollution Control Device Description (PCD)	PCD ID	Pollutant Controlled	Applicable Permit Date
P01	1	Municipal Solid Waste Landfill SLA, Solid Waste Permit No. 583	13.5 million Megagrams/ 22,945,800 CY 60 Million BTU/Hour, 2000 scfm maximum 90 Million BTU/Hour, 3000 scfm maximum	GCCS and Open Flare System – Primary (PEI) or Enclosed Flare System – Secondary (Power Strategies)	1 PCD-2 PCD-1	NMOC	11/7/2003
		Landfill Surface and Roads	--	--	--	--	--

III. Process Equipment Requirements – P01

A. Limitations

1. The PEI open flare shall be operated with no visible emissions, as determined by EPA Method 22, except for periods not to exceed a total of 5 minutes during two consecutive hours. This condition applies at all times except during startup, shutdown and malfunction.
(9 VAC 5-50-80 and 9 VAC 5-80-110, 9 VAC 5-50-410, and Condition 16 of the NSR permit dated 11/7/2003)

2. The Power Strategies enclosed flare shall be operated with visible emissions not to exceed 5 percent opacity except during one six-minute period in any one hour in which visible emissions shall not exceed 30 percent opacity as determined by EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown, and malfunction. Provided EPA Method 22 reports no observable emissions, except for a maximum of five minutes during any two consecutive hours, a visible emissions evaluation using EPA Method 9 is not required.
(9 VAC 5-50-80, 9 VAC 5-80-110, and Condition 17 of the NSR permit dated 11/7/2003)

3. Emissions from the operation of the PEI open flare shall not exceed the limits specified below:

Particulate Matter/PM_{10}	1.0 lbs/hr	4.5 tons/yr
Sulfur Dioxide	0.9 lbs/hr	4.0 tons/yr
Nitrogen Oxides	4.1 lbs/hr	17.9 tons/yr
Carbon Monoxide	9.0 lbs/hr	39.4 tons/yr
Non-Methane Organic Compounds	0.5 lbs/hr	2.0 tons/yr
Volatile Organic Compounds	0.2 lbs/hr	0.8 tons/yr

(9 VAC 5-50-260 and Condition 18 of the NSR permit dated 11/7/2003)

4. Emissions from the operation of the Power Strategies enclosed flare shall not exceed the limits specified below:

Particulate Matter/PM_{10}	1.5 lbs/hr	4.2 tons/yr
Sulfur Dioxide	1.4 lbs/hr	3.8 tons/yr
Nitrogen Oxides	9.0 lbs/hr	24.8 tons/yr
Carbon Monoxide	36.0 lbs/hr	99.0 tons/yr
Non-Methane Organic Compounds	0.7 lbs/hr	1.9 tons/yr
Volatile Organic Compounds	0.3 lbs/hr	0.7 tons/yr

(9 VAC 5-50-260 and Condition 19 of the NSR permit dated 11/7/2003)

5. The PEI open flare shall be subject to the following requirements listed in 40 CFR 60.18 and 40 CFR 60.756.

   a. A nonassisted flare type shall be installed.

   b. The net heating value for the landfill gas being combusted shall be 200 BTU/SCF or greater and determined according to methods listed in 40 CFR 60.18(f)(3) or other methods approved by EPA, Region III.

   c. The exit velocity shall be less than 60 FT/SEC except when the net heating value for the landfill gas is greater than 1,000 BTU/SCF **OR** the exit velocity is less than V_{MAX} and less than 400 FT/SEC. The exit velocity shall be determined using the applicable methods listed in 40 CFR 60.18(f)(4) and 40 CFR 60.18(f)(5) or methods approved by EPA, Region III.

   d. A heat sensing device, such as an ultraviolet beam sensor or thermocouple, shall be installed at the open flare's pilot light or the flame itself to indicate the continuous presence of a flame.

   e. A gas flowmeter shall be installed, calibrated, and maintained to record the landfill gas flow to the open flare at minimum every 15 minutes.

   (9 VAC 5-50-410, Condition 5 of the NSR permit dated 11/7/2003)

6. The open flare and the enclosed flare shall not be operated simultaneously.
   (9 VAC 5-80-1100, Condition 6 of the NSR permit dated 11/7/2003)

7. The approved fuel for the PEI open flare and the Power Strategies enclosed flare is landfill gas. Each flare may also use propane gas to ignite the pilot flame in each flare. A change in fuel may require a permit to modify and operate.
   (9 VAC 5-80-1100, 9 VAC 5-50-50 and Condition 12 of the NSR permit dated 11/7/2003)

8. The PEI open flare shall consume no more than 1,050,000,000 cubic feet of landfill gas combined per year, calculated monthly as the sum of each consecutive 12 month period.
   (9 VAC 5-80-1100, 9 VAC 5-50-410 and Condition 13 of the NSR permit dated 11/7/2003)

9. The Power Strategies enclosed flare shall consume no more than 990,000,000 cubic feet of landfill gas combined per year, calculated monthly as the sum of each consecutive 12 month period.
   (9 VAC 5-80-1100, 9 VAC 5-50-410 and Condition 14 of the NSR permit dated 11/7/2003)

10. The Power Strategies enclosed flare shall not be reactivated until all requirements of 40 CFR 60 Subpart WWW have been met. Upon reactivation of the enclosed flare, the open flare shall be deactivated.
    (9 VAC 5-80-1100, 9 VAC 5-50-410 and Condition 15 of the NSR permit dated 11/7/2003)

11. The permittee shall operate the active landfill gas (LFG) collection and control system for the Brunswick Waste Management Facility in the following manner:

    a. Designed the system to handle the maximum expected gas flow rate from cells 1A, 2, 3, 4, 5, and 6, which has been calculated to be 2,678,983,200 cubic feet per year, using the procedures listed in 40 CFR 60.755(a)(1). The maximum expected gas flow rate shall be recalculated when design capacity is increased or additional cells other than those listed are proposed for landfill expansion and the LFG system shall be redesigned to handle the maximum expected gas flow rate from the entire area of the landfill;

b. Collects gas from each area, cell, or group of cells from the SLA in which initial solid waste has been placed for a period of:
   1) 5 years or more, if active; or
   2) 2 years or more if closed or at final grade;

c. Collects gas at a sufficient extraction rate. Upon maturation of the landfill and full implementation of the gas collection system, the gas collection system shall have an average collection efficiency of 75%.

d. Operated each wellhead under negative pressure except as provided in 40 CFR 60.753 (b);

e. Operated each interior wellhead in the collection system having a landfill gas temperature less than 55º C and having either:

   1) A nitrogen content less than 20 percent, as determined by 40 CFR 60 Appendix A Method 3C, or alternate test method if established in the design report, in accordance with 40 CFR 60.752(b)(2)(i); or
   2) An oxygen content less than 5 percent, as determined by 40 CFR 60 Appendix A Method 3A, incorporating exemptions as listed in 40 CFR 60.753(c)(2).

   A higher operating temperature, nitrogen, or oxygen value at a particular well location may be established by a demonstration in accordance with 40 CFR 60.753(c)(2).

f. Design the system to minimize off-site migration of subsurface gas by installing liners meeting the requirements listed in 40 CFR 258.40 for Cells 1A, 2, 3, 4, 5, and 6;

g. Route the collected landfill gas to a treatment system that processes the collected gas for subsequent sale or use. All emissions from any atmospheric vent from the gas treatment system is subject to the requirements listed in h and i; **OR**

h. Control landfill gas emissions by routing the collected landfill gas to the Power Strategies enclosed flare **OR** by routing the collected landfill gas to the PEI open flare. The installation of open flare must occur within 18 months from the date of permit issuance (NSR permit dated 11/7/2003) or this permit is invalidated. The open flare must meet the criteria in 40 CFR 60.18;

i. The Power Strategies enclosed flare shall reduce NMOC by 98 weight-percent or reduce the outlet concentration to less than 20 ppmv, dry, as hexane, at 3 percent oxygen, as determined by EPA Method 25C or EPA Method 18 or another method as approved by EPA, Region III. The tests shall be conducted as set forth in Condition III.D.22.

j. Maintain the methane concentration at the surface of the landfill at less than 500 ppmv above the background level.

A change in the control system to those listed in items g, h and i may require a permit to modify and operate.
(9 VAC 5-50-410, 9 VAC 5-50-260 and Condition 4 of the NSR permit dated 11/7/2003)

12. The gas control shall be in operation at all times when the collected gas is routed to the system. The gas mover system shall be shut down and all valves in the collection and control system allowing atmospheric venting of landfill gases shall be closed within 1 hour if the collection or control system is inoperable.

(9 VAC 5-50-410, Condition 11 of the NSR permit dated 11/7/2003)

B. Monitoring

13. The operation of the gas collection system shall be monitored as follows:

    a. The following items shall be monitored each month:

        1) Gauge pressure, each well.

        2) LFG temperature, each well.

        3) Nitrogen content or oxygen concentration, each well.

        4) Cover integrity.

    b. The methane concentration at landfill surface shall be monitored at least once every quarter. The methane concentration shall be monitored in accordance with 40 CFR 60.755(d).

(9 VAC 5-50-410 and 40 CFR 60.756 and Condition 25 of the NSR permit dated 11/7/2003)

14. The operation of the gas control system shall be monitored as follows:

    a. Gas flow: recorded at least once every 15 minutes or monthly inspection of bypass line seals. The gas flow shall be monitored according to 40 CFR 60.756(b)(2).
    b. For enclosed combustion devices, the combustion temperature shall be continuously monitored and recorded. The combustion temperature shall be monitored according to 40 CFR 60.756(b)(1).
    c. The presence of the pilot flame or the flare flame shall be continuously monitored by a heat sensing device and recorded for the PEI open flare when landfill gas is being vented to the open flare. (9 VAC 5-50-410, 9 VAC 5-50-260 and Condition 26 of the NSR permit dated 11/7/2003)
    VAC 5-50-410 and 40 CFR 60.756)

15. If monitoring demonstrates that the requirements of Condition III.A.11.c, d, e, f, g, h, i or j are not being met, corrective actions shall be taken as specified in 40 CFR 60.755(a)(3) through (a)(5) or 40 CFR 60.755(c). If corrective actions are taken as specified in 40 CFR 60.755(c)(4), the monitored exceedance is not a violation of the operational requirements of this permit or 40 CFR 60 Subpart WWW.
(9 VAC 5-50-410, 40 CFR 60 Subpart A, 40 CFR 60.753(g) and Condition 27 of the NSR permit dated 11/7/2003)

16. At least once per week an observation of the presence of visible emissions from the flare shall be made. If visible emissions are observed, the permittee shall:

    a. Take timely corrective action such that the flare resumes operation with no visible emissions, or,

    b. Perform a visible emission evaluation (VEE) in accordance with 40 CFR 60, Appendix A, Method 9 to assure visible emissions from the flares are 5 percent opacity or less. The VEE shall be conducted for a total of 60 minutes.If compliance is not demonstrated by this VEE, timely corrective action shall be taken such that the flare resumes operation with visible emissions of 5 percent or less. The permittee shall maintain a flare observation log to demonstrate compliance. The log shall include the date and time of the observations, whether or not there were visible emissions, and any necessary corrective action.

(9 VAC 5-50-410)

17. Criteria emissions shall be calculated using the measured flow rates and emission factors from AP-42, Table 2.4.5 for the Power Strategies enclosed flare and emission factors from the manufacturer for the PEI open flare. Emissions shall be calculated on a monthly basis and a 12-month rolling total for annual emissions.
(9 VAC 5-50-410)

18. All monitoring equipment required to comply with Subpart WWW (subsection 60.756) shall be installed and operational by 180 days of the date of initial operation of the landfill gas collection and control system. Performance evaluation of the monitoring equipment shall take place during the initial performance test under Subpart WWW (40 CFR 60.752 and 40 CFR 60.754) or within 30 days thereafter. Two copies of the performance evaluation report shall be submitted to the Piedmont Regional Office within 45 days of the initial performance evaluation. Verification of satisfactory operation of monitoring equipment shall, at a minimum, include certification that manufacturer's written requirements or recommendations for installation, operation, and calibration of the devices have been followed.
(9 VAC 5-50-40, and Condition 28 of the NSR permit dated 11/7/2003)

19. The landfill gas collection and control system shall be monitored and all appropriate data recorded as required in Subpart WWW (Subsection 60.756).
(9 VAC 5-50-40, 9 VAC 5-50-410 and Condition 29 of the NSR permit dated 11/7/2003)

C. Recordkeeping

20. The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content of and format of such records shall be arranged with the Director, Piedmont Region. These records shall include, but are not limited to:

    a. Current maximum design capacity, current amount of refuse in place, and year by year refuse accumulation rates.

    b. Description, location, amount, and placement date of all nondegradable refuse including asbestos and demolition refuse placed in landfill areas which are excluded from landfill gas collection and control.

    c. Installation date and location of all newly installed wells, horizontal gas collectors, and surface gas collectors.

    d. Map or plot showing each existing and planned well in the gas collection system with each well uniquely identified.

    e. Maximum expected gas flow rate calculated according to 40 CFR 60.755(a)(1).

    f. Parameters monitored in Conditions III.B.13 and 14 above.

    g. The density of wells, horizontal collectors, surface collectors, or other gas extraction devices determined using the procedures listed in 40 CFR 60.759(a)(1).

    h. The type of open flare (i.e. steam-assisted, air-assisted, or nonassisted) used, all visible emission readings, the heat content determination, gas flow rate measurements, and exit velocity determinations made during the required performance tests listed in Condition III.D.22 for the PEI open flare.

i. The flare pilot flame or flare flame continuous monitoring in each flare stack for the open flare.

j. All periods of operations when landfill gas is being vented to the open flare during which the pilot flame or flare flame is absent for the open flare.

k. Records of the combustion temperature measured and recorded at the Power Strategies enclosed flare.

l. The monthly monitored gauge pressure, temperature, and nitrogen or oxygen concentration for each well.

m. The results from the monthly cover integrity monitoring and the date of cover repair.

n. The quarterly monitored methane concentration at the landfill surface and the surface monitoring plan developed for the quarterly monitoring which includes a topographic map with the monitoring route at 30 meter intervals and the rationale for any site-specific deviations from the required intervals.

o. The landfill gas flow, recorded at least once every 15 minutes for the PEI open flare and the Power Strategies enclosed flare.

p. All exceedances for the limitations and monitoring requirements listed in Conditions III.A.11 and III.B.13, the results from any subsequent readings of an exceedance parameter, the location of the exceedance, and the action taken to correct the exceedance.

q. All decommissioned wells and supporting documentation to show the reason for decommissioning each well.

r. Any inoperable periods exceeding 1 hour for the collection or control system.

s. The yearly throughput of landfill gas to the open flare, calculated monthly as the sum of each consecutive 12 month period.

t. The yearly throughput of landfill gas to the enclosed flare, calculated monthly as the sum of each consecutive 12 month period.

u. Date of first waste placement for Cells 1A, 2, 3, 4, 5, and 6.

v. Calculations detailing the estimated annual site specific density and maximum design capacity.

w. A copy of the most recent approved gas collection and control system design plan.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.
(9 VAC 5-50-50, 9 VAC 5-50-410 and CFR 60.758, and Condition 30 of the NSR permit dated 11/7/2003)

D. Testing

21. The permitted facility shall be constructed so as to allow for emissions testing at any time using appropriate methods. Upon request from the Department, test ports will be provided at the appropriate locations.
(9 VAC 5-50-30 and 9 VAC 5-80-110)

22. Initial performance tests shall be conducted to determine the net heating value of the gas being combusted and the actual exit velocity for the PEI open flare. The tests for the open flare shall be performed, and demonstrate compliance, within 60 days after achieving maximum production rate at which the flare will be operated but no later than 180 days after initial start-up of the open flare. Tests shall be conducted and reported and data reduced as set forth in 9 VAC 5-50-30 and 9 VAC 5-60-30 of State Regulations. The test methods and procedures contained in 40 CFR 60.18(f)(3) and 40 CFR 60.18(f)(4) shall be used to determine the net heating value of the gas being combusted and the actual exit velocity for the open flare. The details of the test are to be arranged with the Director, Piedmont Regional Office. The permittee shall submit a test protocol at least thirty (30) days prior to testing for the open flare. Two (2) copies of the test results for the open flare shall be submitted to the Director, Piedmont Regional Office within 45 days after test completion and 180 days after initial startup for the open flare. The test report shall conform to the test report format enclosed with this permit and shall be submitted with the annual compliance report specified in Condition III.E.27.
(9 VAC 5-50-410 and Condition 20 of the NSR permit dated 11/7/2003)

23. Initial performance tests shall be conducted to determine either the reduction of NMOC by 98 weight percent or the reduction of the outlet NMOC concentration to less than 20 parts per million by volume, dry basis as hexane at 3 percent oxygen for the Power Strategies enclosed flare. The tests for the enclosed flare shall be performed and demonstrate compliance no later than 60 days after reactivation of the enclosed flare and reported and data reduced as set forth in 9 VAC 5-50-30 and 9 VAC 5-60-30 of State Regulations. The test methods and procedures contained in 40 CFR 60.754(d) shall be used to determine compliance. The details of the tests are to be arranged with the Director, Piedmont Regional Office. The permittee shall submit a test protocol at least thirty (30) days prior to testing. Two (2) copies of the test results shall be submitted to the Director, Piedmont Regional Office within 45 days after test completion and 180 days after the Power Strategies enclosed flare begins receiving landfill gas. Each test report shall conform to the test report format enclosed with this permit and shall be submitted with the annual compliance report specified in Condition III.E.27.
(9 VAC 5-50-410 and Condition 21 of the NSR permit dated 11/7/2003)

24. Concurrently with the initial performance tests, Visible Emission Evaluations (VEE) in accordance with 40 CFR Part 60, Appendix A, Method 22, shall also be conducted by the permittee on the PEI open flare. Each observation period shall be 2 hours. The details of the tests are to be arranged with Director, Piedmont Regional Office. The permittee shall submit a test protocol at least 30 days prior to testing. The evaluation shall be performed within 60 days after achieving the maximum production rate at which the open flare will be operated but no later than 180 days after initial start up of the open flare. Should conditions prevent observations, the Director, Piedmont Regional Office shall be notified in writing, within seven days, and visible emissions testing shall be rescheduled within 30 days. Rescheduled testing shall be conducted under the same conditions (as possible) as the initial performance tests. Two copies of the test result shall be submitted to the Director, Piedmont Regional Office within 45 days after test completion and shall conform to the test report format enclosed with this permit.
(9 VAC 5-50-30, 9 VAC 5-50-410 and Condition 23 of the NSR permit dated 11/7/2003)

25. Concurrently with the initial performance tests, Visible Emission Evaluations (VEE) in accordance with 40 CFR Part 60, Appendix A, Method 9, shall also be conducted by the permittee on the Power Strategies enclosed flare. Each test shall consist of ten sets of 24 consecutive observations (at 15 second intervals) to yield a six minute average. The details of the tests are to be arranged with Director, Piedmont Regional Office. The permittee shall submit a test protocol at least 30 days prior to testing. The evaluation shall be performed no later than 60 days after reactivation of the enclosed flare. Should conditions prevent observations, the Director, Piedmont Regional Office shall be notified in writing, within seven days, and visible emissions testing shall be rescheduled within 30 days. Rescheduled testing shall be conducted under the same conditions (as possible) as the initial performance tests. Two copies of the test result shall be submitted to the Director, Piedmont Regional Office within 45 days after test completion and shall conform to the test report format enclosed with this permit.
(9 VAC 5-50-30, 9 VAC 5-50-410 and Condition 24 of the NSR permit dated 11/7/2003)

26. If testing is conducted in addition to the monitoring specified in this permit, the permittee shall use the following test methods in accordance with procedures approved by the DEQ as follows:

Pollutant	Test Method (40 CFR Part 60, Appendix A)
NMOC/VOC	EPA Method 18 or 25C
NOx	EPA Method 7
SO2	EPA Method 6
CO	EPA Method 10
PM/PM10	EPA Methods 5, 17
Visible Emission	EPA Method 9

(9 VAC 5-80-110)

E. Reporting

27. The permittee shall submit, within 180 days of the startup of the LFG collection and control system, an initial compliance report containing, at a minimum, the following:

    a. A diagram of the collection system showing all wells, horizontal collectors, or other gas extraction devices, any areas excluded from gas collection and proposed sites for future collection system expansion;

    b. The data upon which the sufficient density of wells, horizontal collectors, surface collectors, or other gas extraction devices and the gas mover equipment sizing are based;

    c. The documentation of the presence of asbestos or nondegradable material from each area from which collection wells have been excluded based on the presence of asbestos or nondegradable material.

    d. The sum of the gas generation flow rates for all areas from which collection wells have been excluded based on nonproductivity and the calculations of the gas generation flow rate for each excluded area;

    e. The provisions for increasing gas mover equipment capacity with increased gas generation flow rate, if the present gas mover equipment is inadequate to move the maximum flow rate expected over the life of the landfill;

f. The provisions for the control of off-site migration;

g. For enclosed combustion devices:

(i) Average combustion temperature, measured at least once every fifteen minutes and averaged over the duration of the performance test.
(ii) Percent reduction of NMOC's by the control device, and supporting test documentation.
(iii) All visible emissions readings.

h. An NMOC emission rate report within one year after the first annual emission rate of NMOC exceeds 50 megagrams per year. This report shall be submitted annually until after installation of the gas collection and control system required by Condition III.A.6.

(9 VAC 5-50-410 and Condition 31 of the NSR permit dated 11/7/2003)

28. The first annual compliance report shall be submitted within 180 days of start-up of the collection and control system and shall contain the following:

a. The initial compliance report required by Condition III.E.27.

b. Value and length of time for exceedance of applicable parameters monitored under 60.756(a), (b), (c), and (d).

c. Description and duration of all periods when the control device was not working for a period exceeding 1 hour and length of time control device was not operating.
d. All periods when the collection system was not operating in excess of 5 days.

e. The location of each exceedance of the 500 parts per million surface methane concentration, and the concentration recorded at each location for which an exceedance was recorded as provided in 60.755(c).

f. The date of installation and the location of each well or collection system expansion added pursuant to paragraphs (a)(3), (b), and (c)(4) of 60.755.

Items (b) through (f) shall be submitted annually. The second annual report shall cover the period from the initial annual report to the end of the calendar year. Subsequent annual reports shall cover the calendar year. The second and all subsequent annual reports shall be submitted **March 1** of the following calendar year (Submittal date modified per Statement of Basis).
(9 VAC 5-50-410 and Condition 32 of the NSR permit dated 11/7/2003)

29. The actual emissions covered by the permit program fees for the preceding year shall be calculated by the owner and submitted to the department by **April 15** of each year. The calculations and final amount of emissions are subject to verification and final determination by the department.
(9 VAC 5-80-340(C) and Condition 35 of the NSR permit dated 11/7/2003)

30. The permittee shall submit a closure report to the Air Compliance Manager, Piedmont Region, within 30 days of the date the MSW landfill stopped accepting waste.
(9 VAC 5-50-410 and 40 CFR 60.757(d) and Condition 33 of the NSR permit dated 11/7/2003))

31. The permittee shall submit an equipment removal report to the Air Compliance Manager, Piedmont Region, 30 days prior to the removal or cessation of operation of the control equipment.
(9 VAC 5-50-410, 40 CFR 60.757(e) and Condition 34 of the NSR permit dated 11/7/2003)

IV. Facility Wide Conditions

A. Limitations

32. **New Source Standard for Visible Emissions -** Unless otherwise specified in this part, no owner or other person shall cause or permit to be discharged into the atmosphere from any affected facility any visible emissions which exhibit greater than 20% opacity, except for one six-minute period in any one hour of not more than 30% opacity as determined by EPA Method 9 (reference 40 CFR 60, Appendix A). Failure to meet the requirements of this section because of the presence of water vapor shall not be a violation of this section. This standard is applicable to the following emission units: entire MSW landfill facility except for the utility or enclosed flare.
(9 VAC 5-50-80 and 9 VAC 5-80-110)

33. **Fugitive Dust Emission Standards -** Unless otherwise specified, dust emission controls shall include the following or equivalent as a minimum:
Dust from grading, cell construction, waste compaction, application of daily cover, wood waste chipping operations, storage piles, and traffic areas shall be controlled by wet suppression or equivalent (as approved by the DEQ) control measures.
    a. All material being stockpiled shall be kept moist to control dust during storage, handling, or covered to minimize emissions.
    b. Dust from haul roads shall be controlled by wet suppression and prompt removal of dried sediment resulting from soil erosion and dirt spilled or tracked onto paved surfaces within the landfill.
    c. Reasonable precautions shall be taken to prevent deposition of dirt on public roads and subsequent dust emissions. Dirt spilled or tracked onto paved surfaces shall be promptly removed to prevent particulate matter from becoming airborne.

    (9 VAC 5-50-50 and 9 VAC 5-80-110 and Condition 7 of the NSR permit dated 11/7/2003)

34. **Start-up, Shutdown, and Malfunction –** At all times, including periods of startup, shutdown and malfunction, owners shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with air pollution control practices for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Board, which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.
(9 VAC 5-50-20 and 9 VAC 5-80-110)

35. **Operation of Landfill -** Except where this permit is more restrictive than the applicable requirement, the MSW landfill shall be constructed and operated in accordance with 40 CFR 60, Subpart WWW.
(9 VAC 5-50-410 and Condition 10 of the NSR permit dated 11/7/2003)

36. **Operational Requirements –** The permittee shall demonstrate compliance with operational standards for the landfill gas collection and control system required by Subpart WWW (40 CFR 60.753) in accordance with appropriate subsection(s) of Subpart WWW (40 CFR 60.755). The permittee shall demonstrate compliance with the landfill gas collection and control system requirements of Subpart WWW (40 CFR 60.752) in accordance with appropriate subsection(s) of Subpart WWW (40 CFR 60.755). All reports required to demonstrate compliance with the compliance requirements of Subpart WWW (40 CFR 60.755) shall be prepared and submitted to the Piedmont Regional Office as required by Subpart WWW (40 CFR 60.755).
(9 VAC 5-80-1100, 9 VAC 5-50-410 and Condition 8 of the NSR permit dated 11/7/2003)

37. **National Emissions Standards for Hazardous Air Pollutants (Municipal Solid Waste Landfills) -** The Landfill 'MACT' (40 CFR 63 Subpart AAAA), published January 16, 2003, includes the following additional requirements for affected MSW landfills.

a. Those affected sources defined as 'existing landfills' shall be in compliance with the specific items included in 40 CFR Part 63, Subpart AAAA by January 16, 2004.

b. A "Startup, shutdown and malfunction" (SSM) Plan shall be developed and implemented for the facility. A copy shall be available on site for inspection by the DEQ and shall contain all revisions for the most recent five (5) years. (40 CFR 63.6(e)(3) and 40 CFR 63.1960)

c. Annual reports of the operation of the GCCS, as required by the NSPS, Subpart 60.757(f), will be required semi-annually beginning with the first report after the compliance date of January 16, 2004. The time periods to be addressed are January 1 to June 30 and July 1 to December 31. (40 CFR 63.1980)

d. Semiannual reports are required by 40 CFR 63, Subpart AAAA and 40 CFR 63.10(d)(5). The time periods to be addressed are January 1 to June 30 and July 1 to December 31. SSM Reports shall be submitted on **March 1** and **September 1** of each calendar year. The SSM plan should include the following:

1) Each SSM event and a description of how thorough the facility complied with each item contained in the SSM Plan.

2) Inconsistent actions taken by the facility during an SSM event must be recorded within two working days of the event and a letter must be submitted to the Administrator within seven days of the event. Any new actions that are indicated as appropriate during an SSM event shall be incorporated in a new SSM Plan.

3) Any revisions to the SSM Plan for the period.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.
(40 CFR 63.1930 through 63.1990)

V. Insignificant Emission Units

The following emission units at the facility are identified in the application as insignificant emission units under 9 VAC 5-80-720:

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted	Rated Capacity (5-80-720 C)
P02	Northern Solid Waste Disposal Area (NSWDA) - (Cells A1, A2, B, C, D and E)	5-80-720 B.	NMOC (NSPS WWW 60.754(a)(1)(i))	6.6 million Mg/ 7,661,500 CY
T01	Fixed roof, vertical leachate storage tank	5-80-720 B.	VOC	175,000 Gallon
T02	Fixed roof, vertical leachate storage tank	5-80-720 B.	VOC	175,000 Gallon
T03	Fixed roof, vertical leachate storage tank	5-80-720 B.	VOC	175,000 Gallon
T04	Fixed roof, vertical leachate storage tank	5-80-720 B.	VOC	175,000 Gallon
T05	Fixed roof, vertical leachate storage tank	5-80-720 B.	VOC	325,000 Gallon
T06	Fixed roof, vertical leachate storage tank	5-80-720 B.	VOC	325,000 Gallon
T07	Fixed roof, vertical leachate storage tank	5-80-720 B.	VOC	325,000 Gallon
T08	Fixed roof, vertical leachate storage tank (to be installed at a future date)	5-80-720 B.	VOC	325,000 Gallon
T09	Diesel fuel storage tank	5-80-720 B.	VOC	1,500 Gallon
T010	Diesel fuel storage tank	5-80-720 B.	VOC	1,500 Gallon
T011	Unleaded gasoline storage tank	5-80-720 B.	VOC	250 Gallon

These emission units are presumed to be in compliance with all requirements of the federal Clean Air Act as may apply. Based on this presumption, no monitoring, recordkeeping, or reporting shall be required for these emission units in accordance with 9 VAC 5-80-110.

VI. Permit Shield & Inapplicable Requirements

Compliance with the provisions of this permit shall be deemed compliance with all applicable requirements in effect as of the permit issuance date as identified in this permit. This permit shield covers only those applicable requirements covered by terms and conditions in this permit and the following requirements which have been specifically identified as being not applicable to this permitted facility:

Citation	Title of Citation	Description of applicability
No inapplicable requirements identified.	-	-

Nothing in this permit shield shall alter the provisions of § 303 of the federal Clean Air Act, including the authority of the administrator under that section, the liability of the owner for any violation of applicable requirements prior to or at the time of permit issuance, or the ability to obtain information by the administrator pursuant to § 114 of the federal Clean Air Act, (ii) the Board pursuant to § 10.1-1314 or § 10.1-1315 of the Virginia Air Pollution Control Law or (iii) the Department pursuant to § 10.1-1307.3 of the Virginia Air Pollution Control Law.
(9 VAC 5-80-140)

VII. Future Applicable Requirements

None.

VIII. General Conditions

A. Federal Enforceability

All terms and conditions in this permit are enforceable by the administrator and citizens under the federal Clean Air Act, except those that have been designated as only state-enforceable.
(9 VAC 5-80-110 N)

B. Permit Expiration

This permit has a fixed term of five years. The expiration date shall be the date five years from the date of issuance. Unless the owner submits a timely and complete application for renewal to the Department consistent with the requirements of 9 VAC 5-80-80, the right of the facility to operate shall be terminated upon permit expiration.

1. The owner shall submit an application for renewal at least six months but no earlier than eighteen months prior to the date of permit expiration.

2. If an applicant submits a timely and complete application for an initial permit or renewal under this section, the failure of the source to have a permit or the operation of the source without a permit shall not be a violation of Article 1, Part II of 9 VAC 5 Chapter 80, until the Board takes final action on the application under 9 VAC 5-80-150.

3. No source shall operate after the time that it is required to submit a timely and complete application under subsections C and D of 9 VAC 5-80-80 for a renewal permit, except in compliance with a permit issued under Article 1, Part II of 9 VAC 5 Chapter 80.

4. If an applicant submits a timely and complete application under section 9 VAC 5-80-80 for a permit renewal but the Board fails to issue or deny the renewal permit before the end of the term of the previous permit, (i) the previous permit shall not expire until the renewal permit has been issued or denied and (ii) all the terms and conditions of the previous permit, including any permit shield granted pursuant to 9 VAC 5-80-140, shall remain in effect from the date the application is determined to be complete until the renewal permit is issued or denied.

5. The protection under subsections F 1 and F 5 (ii) of section 9 VAC 5-80-80 F shall cease to apply if, subsequent to the completeness determination made pursuant section 9 VAC 5-80-80 D, the applicant fails to submit by the deadline specified in writing by the Board any additional information identified as being needed to process the application.

(9 VAC 5-80-80 B, C and F, 9 VAC 5-80-110 D and 9 VAC 5-80-170 B)

C. Recordkeeping and Reporting

1. All records of monitoring information maintained to demonstrate compliance with the terms and conditions of this permit shall contain, where applicable, the following:

   a. The date, place as defined in the permit, and time of sampling or measurements.

   b. The date(s) analyses were performed.

   c. The company or entity that performed the analyses.

   d. The analytical techniques or methods used.

   e. The results of such analyses.

   f. The operating conditions existing at the time of sampling or measurement.

   (9 VAC 5-80-110 F)

2. Records of all monitoring data and support information shall be retained for at least five years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit. (9 VAC 5-80-110 F)

3. The permittee shall submit the results of monitoring contained in any applicable requirement to DEQ no later than **March 1** and **September 1** of each calendar year. This report must be signed by a responsible official, consistent with 9 VAC 5-80-80 G, and shall include:

   a. The time period included in the report. The time periods to be addressed are January 1 to June 30 and July 1 to December 31.

   b. All deviations from permit requirements. For purposes of this permit, deviations include, but are not limited to:

      (1) Exceedance of emissions limitations or operational restrictions;

      (2) Excursions from control device operating parameter requirements, as documented by continuous emission monitoring, periodic monitoring, or compliance assurance monitoring which indicates an exceedance of emission limitations or operational restrictions; or,

(3) Failure to meet monitoring, recordkeeping, or reporting requirements contained in this permit.

c. If there were no deviations from permit conditions during the time period, the permittee shall include a statement in the report that "no deviations from permit requirements occurred during this semi-annual reporting period."

(9 VAC 5-80-110 F)

D. Annual Compliance Certification

Exclusive of any reporting required to assure compliance with the terms and conditions of this permit or as part of a schedule of compliance contained in this permit, the permittee shall submit to EPA and DEQ no later than **March 1** each calendar year a certification of compliance with all terms and conditions of this permit including emission limitation standards or work practices. The compliance certification shall comply with such additional requirements that may be specified pursuant to § 114(a)(3) and § 504(b) of the Federal Clean Air Act. This certification shall be signed by a responsible official, consistent with 9 VAC 5-80-80 G, and shall include:

1. The time period included in the certification. The time period to be addressed is January 1 to December 31.
2. The identification of each term or condition of the permit that is the basis of the certification.
3. The compliance status.
4. Whether compliance was continuous or intermittent, and if not continuous, documentation of each incident of non-compliance.
5. Consistent with subsection 9 VAC 5-80-110 E, the method or methods used for determining the compliance status of the source at the time of certification and over the reporting period.
6. Such other facts as the permit may require to determine the compliance status of the source.

One copy of the annual compliance certification shall be sent to EPA at the following address:

Clean Air Act Title V Compliance Certification (3AP00)
U.S. Environmental Protection Agency, Region III
1650 Arch Street
Philadelphia, PA 19103-2029.

(9 VAC 5-80-110 K.5)

E. Permit Deviation Reporting

The permittee shall notify the Director, Piedmont Region within four daytime business hours after discovery of any deviations from permit requirements which may cause excess emissions for more than one hour, including those attributable to upset conditions as may be defined in this permit. In addition, within 14 days of the discovery, the permittee shall provide a written statement explaining the problem, any corrective actions or preventative measures taken, and the estimated duration of the permit deviation. The occurrence should also be reported in the next semi-annual compliance monitoring report pursuant to General Condition VIII.C.3. of this permit.
(9 VAC 5-80-110 F.2 and 9 VAC 5-80-250)

F. Failure/Malfunction Reporting

In the event that any affected facility or related air pollution control equipment fails or malfunctions in such a manner that may cause excess emissions for more than one hour, the owner shall, as soon as practicable but no later than four daytime business hours after the malfunction is discovered, notify the Director, Piedmont Region by facsimile transmission, telephone or telegraph of such failure or malfunction and shall within 14 days of discovery provide a written statement giving all pertinent facts, including the estimated duration of the breakdown. Owners subject to the requirements of 9 VAC 5-40-

50 C and 9 VAC 5-50-50 C are not required to provide the written statement prescribed in this paragraph for facilities subject to the monitoring requirements of 9 VAC 5-40-40 and 9 VAC 5-50-40. When the condition causing the failure or malfunction has been corrected and the equipment is again in operation, the owner shall notify the Director, Piedmont Region.
(9 VAC 5-20-180 C)

G. Severability

The terms of this permit are severable. If any condition, requirement or portion of the permit is held invalid or inapplicable under any circumstance, such invalidity or inapplicability shall not affect or impair the remaining conditions, requirements, or portions of the permit.
(9 VAC 5-80-110 G.1)

H. Duty to Comply

The permittee shall comply with all terms and conditions of this permit. Any permit noncompliance constitutes a violation of the federal Clean Air Act or the Virginia Air Pollution Control Law or both and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.
(9 VAC 5-80-110 G.2)

I. Need to Halt or Reduce Activity not a Defense

It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.
(9 VAC 5-80-110 G.3)

J. Permit Modification

A physical change in, or change in the method of operation of, this stationary source may be subject to permitting under State Regulations 9 VAC 5-80-50, 9 VAC 5-80-1100, 9 VAC 5-80-1790, or 9 VAC 5-80-2000 and may require a permit modification and/or revisions except as may be authorized in any approved alternative operating scenarios.
(9 VAC 5-80-190 and 9 VAC 5-80-260)

K. Property Rights

The permit does not convey any property rights of any sort, or any exclusive privilege.
(9 VAC 5-80-110 G.5)

L. Duty to Submit Information

1. The permittee shall furnish to the board, within a reasonable time, any information that the board may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the board copies of records required to be kept by the permit and, for information claimed to be confidential, the permittee shall furnish such records to the board along with a claim of confidentiality.
   (9 VAC 5-80-110 G.6)

2. Any document (including reports) required in a permit condition to be submitted to the board shall contain a certification by a responsible official that meets the requirements of 9 VAC 5-80-80 G.
   (9 VAC 5-80-110 K.1)

M. Duty to Pay Permit Fees

The owner of any source for which a permit under 9 VAC 5-80-50 through 9 VAC 5-80-300 was issued shall pay permit fees consistent with the requirements of 9 VAC 5-80-310 through 9 VAC 5-80-350. The actual emissions covered by the permit program fees for the preceding year shall be calculated by the owner and submitted to the Department by April 15 of each year. The calculations and final amount of emissions are subject to verification and final determination by the Department.
(9 VAC 5-80-110 H and 9 VAC 5-80-340 C)

N. Fugitive Dust Emission Standards

During the operation of a stationary source or any other building, structure, facility or installation, no owner or other person shall cause or permit any materials or property to be handled, transported, stored, used, constructed, altered, repaired, or demolished without taking reasonable precautions to prevent particulate matter from becoming airborne. Such reasonable precautions may include, but are not limited, to the following:

1. Use, where possible, of water or chemicals for control of dust in the demolition of existing buildings or structures, construction operations, the grading of roads, or the clearing of land;

2. Application of asphalt, oil, water, or suitable chemicals on dirt roads, materials stockpiles, and other surfaces which may create airborne dust; the paving of roadways and the maintaining of them in a clean condition;

3. Installation and use of hoods, fans, and fabric filters to enclose and vent the handling of dusty material. Adequate containment methods shall be employed during sandblasting or other similar operations;

4. Open equipment for conveying or transporting material likely to create objectionable air pollution when airborne shall be covered or treated in an equally effective manner at all times when in motion; and

5. The prompt removal of spilled or traced dirt or other materials from paved streets and of dried sediments resulting from soil erosion.

(9 VAC 5-50-90)

O. Startup, Shutdown, and Malfunction

At all times, including periods of startup, shutdown, soot blowing, and malfunction, owners shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with air pollution control practices for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the board, which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.
(9 VAC 5-50-20 E)

P. Alternative Operating Scenarios

Contemporaneously with making a change between reasonably anticipated operating scenarios identified in this permit, the permittee shall record in a log at the permitted facility a record of the scenario under which it is operating. The permit shield described in 9 VAC 5-80-140 shall extend to all terms and conditions under each such operating scenario. The terms and conditions of each such alternative scenario shall meet all applicable requirements including the requirements of 9 VAC 5 Chapter 80 Article 1.

(9 VAC 5-80-110 J)

Q. Inspection and Entry Requirements

The permittee shall allow DEQ, upon presentation of credentials and other documents as may be required by law, to perform the following:

1. Enter upon the premises where the source is located or emissions-related activity is conducted, or where records must be kept under the terms and conditions of the permit.

2. Have access to and copy, at reasonable times, any records that must be kept under the terms and conditions of the permit.
3. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit.

4. Sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

(9 VAC 5-80-110 K.2)

R. Reopening For Cause

The permit shall be reopened by the board if additional federal requirements become applicable to a major source with a remaining permit term of three or more years. Such a reopening shall be completed not later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended pursuant to 9 VAC 5-80-80 F.

1. The permit shall be reopened if the board or the administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.

2. The permit shall be reopened if the administrator or the board determines that the permit must be revised or revoked to assure compliance with the applicable requirements.

3. The permit shall not be reopened by the board if additional applicable state requirements become applicable to a major source prior to the expiration date established under 9 VAC 5-80-110 D. (9 VAC 5-80-110 L)

S. Permit Availability

Within five days after receipt of the issued permit, the permittee shall maintain the permit on the premises for which the permit has been issued and shall make the permit immediately available to DEQ upon request.

(9 VAC 5-80-150 E)

T. Transfer of Permits

1. No person shall transfer a permit from one location to another, unless authorized under 9 VAC 5-80-130, or from one piece of equipment to another. (9 VAC 5-80-160)

2. In the case of a transfer of ownership of a stationary source, the new owner shall comply with any current permit issued to the previous owner. The new owner shall notify the board of the change in ownership within 30 days of the transfer and shall comply with the requirements of 9 VAC 5-80-200. (9 VAC 5-80-160)

3. In the case of a name change of a stationary source, the owner shall comply with any current permit issued under the previous source name. The owner shall notify the board of the change in source name within 30 days of the name change and shall comply with the requirements of 9 VAC 5-80-200.
(9 VAC 5-80-160)

U. Malfunction as an Affirmative Defense

1. A malfunction constitutes an affirmative defense to an action brought for noncompliance with technology-based emission limitations if the requirements of paragraph 2 of this condition are met.
2. The affirmative defense of malfunction shall be demonstrated by the permittee through properly signed, contemporaneous operating logs, or other relevant evidence that show the following:

   a. A malfunction occurred and the permittee can identify the cause or causes of the malfunction.

   b. The permitted facility was at the time being properly operated.

   c. During the period of the malfunction the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit.

   d. The permittee notified the board of the malfunction within two working days following the time when the emission limitations were exceeded due to the malfunction. This notification shall include a description of the malfunction, any steps taken to mitigate emissions, and corrective actions taken. The notification may be delivered either orally or in writing. The notification may be delivered by electronic mail, facsimile transmission, telephone, or any other method that allows the permittee to comply with the deadline. This notification fulfills the requirements of 9 VAC 5-80-110 F 2 b to report promptly deviations from permit requirements. This notification does not release the permittee from the malfunction reporting requirement under 9 VAC 5-20-180 C.

3. In any enforcement proceeding, the permittee seeking to establish the occurrence of a malfunction shall have the burden of proof. The provisions of this section are in addition to any malfunction, emergency or upset provision contained in any requirement applicable to the source.
4. The provisions of this section are in addition to any malfunction, emergency or upset provision contained in any applicable requirement.
(9 VAC 5-80-250)

V. Permit Revocation or Termination for Cause

A permit may be revoked or terminated prior to its expiration date if the owner knowingly makes material misstatements in the permit application or any amendments thereto or if the permittee violates, fails, neglects or refuses to comply with the terms or conditions of the permit, any applicable requirements, or the applicable provisions of 9 VAC 5 Chapter 80 Article 1. The board may suspend, under such conditions and for such period of time as the board may prescribe, any permit for any of the grounds for revocation or termination or for any other violations of these regulations.
(9 VAC 5-80-190 and 9 VAC 5-80-260)

W. Duty to Supplement or Correct Application

Any applicant who fails to submit any relevant facts or who has submitted incorrect information in a permit application shall, upon becoming aware of such failure or incorrect submittal, promptly submit such supplementary facts or corrections. An applicant shall also provide additional information as necessary to address any requirements that become applicable to the source after the date a complete application was filed but prior to release of a draft permit.

(9 VAC 5-80-80 E)

X. Stratospheric Ozone Protection

If the permittee handles or emits one or more Class I or II substance subject to a standard promulgated under or established by Title VI (Stratospheric Ozone Protection) of the federal Clean Air Act, the permittee shall comply with all applicable sections of 40 CFR Part 82, Subparts A to F.
(40 CFR Part 82, Subparts A - F)

Y. Asbestos Requirements

The permittee shall comply with the requirements of National Emissions Standards for Hazardous Air Pollutants (40 CFR 61) Subpart M, National Emission Standards for Asbestos as it applies to the following: Standards for Demolition and Renovation (40 CFR 61.145), Standards for Insulating Materials (40 CFR 61.148), and Standards for Waste Disposal (40 CFR 61.150).
(9 VAC 5-60-70 and 9 VAC 5-80-110 A.1)

Z. Accidental Release Prevention

If the permittee has more, or will have more than a threshold quantity of a regulated substance in a process, as determined under 40 CFR 68.115, the permittee shall comply with the requirements of 40 CFR Part 68.
(40 CFR Part 68)

AA. Changes to Permits for Emissions Trading

No permit revision shall be required, under any federally approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this permit.
(9 VAC 5-80-110 I)

BB. Emissions Trading

Where the trading of emissions increases and decreases within the permitted facility is to occur within the context of this permit and to the extent that the regulations provide for trading such increases and decreases without a case-by-case approval of each emissions trade:

1. All terms and conditions required under 9 VAC 5-80-110 except subsection N shall be included to determine compliance.

2. The permit shield described in 9 VAC 5-80-140 shall extend to all terms and conditions that allow such increases and decreases in emissions.

3. The owner shall meet all applicable requirements including the requirements of 9 VAC 5-80-50 through 9 VAC 5-80-300.

(9 VAC 5-80-110 I)

State-Only Enforceable Requirements

The following terms and conditions are not required under the federal Clean Air Act or under any of its applicable federal requirements, and are not subject to the requirements of 9 VAC 5-80-290 concerning review of proposed permits by EPA and draft permits by affected states.

1. 9 VAC 5 Chapter 50, Part II, Article 2: Standards of Performance for Odorous Emissions

2. 9 VAC Chapter 50, Part II, Article 3: Standards of Performance for Toxic Pollutants

(9 VAC 5-80-110 N and 9 VAC 5-80-300)

To: **Air Compliance Manager**
Department of Environmental Quality – Piedmont Regional Office
4949-A Cox Road
Glen Allen, VA 23060

From: **(Facility Name)**

Registration No. _____

Re: **TITLE V ANNUAL COMPLIANCE CERTIFICATION**

Date:

Please find attached our Title V Annual Compliance Certification for the period from ____/____/_____ to ____/____/_____. It identifies each term or condition of the permit that is the basis of the certification. All deviations and periods of non-compliance for the period have been addressed in semi-annual monitoring reports that have either been previously submitted or are enclosed.

Certification: I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who mange the system, or those persons directly responsible for gathering and evaluating the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

_____ _____

(*Signature)* *(Name & Title)*

cc: Director, Air and Waste Division (Mail drop 3AP00)
United States Environmental Protection Agency -- Region III
1650 Arch Street
Philadelphia, PA 19103-2029

(Annual Compliance Certifications are due 60 days following end of reporting period.)

To: **Air Compliance Manager**
Department of Environmental Quality – Piedmont Regional Office
4949-A Cox Road
Glen Allen, VA 23060

From: **(*Facility Name)*** **Reg. No. _____**
Re: **PROMPT DEVIATION REPORT – Pursuant to Title V Permit**
Date:
This confirms the deviation reported to the Regional Office at _____ o'clock on ____/____/_____. The details are described below. The deviation may have caused excess emissions for more than one hour, consistent with specified averaging times. None of these deviations were related to a malfunction.

Start date & time:	**End date & time:**	**Estimated Duration:**
Deviation from which permit condition (*condition number and brief description*):		
Description of incident (*including emission unit affected)*:		
Description of Monitoring Requirement for affected unit(s):		
Probable cause:		
Description of corrective measures taken (*demonstrating a timely & appropriate response*):		
Description of preventive measures taken:		

Certification: I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who mange the system, or those persons directly responsible for gathering and evaluating the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

_____ _____

(*Signature)*
(Name & Title)

To: Air Compliance Manager
Department of Environmental Quality – Piedmont Regional Office
4949-A Cox Road
Glen Allen, VA 23060

From: (*Facility Name)* Reg. No. _____

Re: SEMI-ANNUAL MONITORING REPORT – Pursuant to Title V Permit

Date:

The following monitoring report is submitted as required by our Title V permit. For the purposes of this report, deviation means (1) exceedances of emission limits, as determined by such means as stack testing, continuous emission monitors, parametric monitoring and EPA Method 9 visible emission evaluations; (2) excursions from control device operating parameter requirements such as afterburner temperature, scrubber flow rate, baghouse pressure drop; (3) excursions from operational restrictions things such as throughput, fuel quality, and coating VOC and HAP content; and (4) failure to meet monitoring, record keeping or reporting requirements. The report addresses all data points, which are above a standard, limit etc, according to the averaging period, if any, specified in the permit. If no averaging period is specified in the permit, then any monitored reading is considered a deviation to be reported. Deviations are reported regardless of whether they may have caused excess emissions or whether they were the result of a malfunction.

The period covered by the report is from ____/____/_____ to ____/____/_____.

During the reporting period:

☐ No deviations from permit requirements occurred during this semi-annual reporting period. (We conducted all required monitoring and associated record keeping and reporting. Required monitoring revealed no deviations from permit requirements.)

☐ We failed to conduct required monitoring/record keeping/reporting as explained on the attached form.

☐ We identified deviations as a result of required monitoring:

- ☐ Deviations were addressed in CEM Excess Emission Report(s) dated: _____
- ☐ Deviations were addressed in Fuel Report(s) dated: _____
- ☐ Deviations were addressed in MACT Report(s) dated: _____
- ☐ Deviations due to malfunctions were addressed in letters dated: _____
- ☐ Deviations were addressed in other report(s) dated: _____
  Type of report:_____
- ☐ Deviations were previously described in Prompt Deviation Reports dated:
  _____ _____ _____ _____ _____
  _____ _____ _____ _____ _____
- ☐ "Other" deviations, which were not previously reported, are described in the attachment.

Certification: I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who mange the system, or those persons directly responsible for gathering and evaluating the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

_____ _____

(*Signature)* *(Name & Title)*

FAILURE TO MONITOR, KEEP RECORDS OR REPORT **Registration No. _____** **Page _____ of _____**
Submitted as Part of Semi-Annual Monitoring Report

Permit Condition No. & DESCRIPTION OF REQUIREMENT	DESCRIPTION OF DEVIATION (including date)	REASON FOR DEVIATION & CORRECTIVE ACTION

Annual Compliance Certification Registration No. ______________ Page ______ of _______

Cond. No.	TERMS & CONDITIONS CONTAINED IN THE PERMIT *(list in order)*	MEANS OF DETERMINING COMPLIANCE STATUS	TYPE OF DATA THE MEANS PROVIDES	PERIODS OF NON-COMPLIANCE
			☐ **Continuous** ☐ **Intermittent**	☐ **Yes** ☐ **No**
			☐ **Continuous** ☐ **Intermittent**	☐ **Yes** ☐ **No**
			☐ **Continuous** ☐ **Intermittent**	☐ **Yes** ☐ **No**
			☐ **Continuous** ☐ **Intermittent**	☐ **Yes** ☐ **No**
			☐ **Continuous** ☐ **Intermittent**	☐ **Yes** ☐ **No**
			☐ **Continuous** ☐ **Intermittent**	☐ **Yes** ☐ **No**
			☐ **Continuous** ☐ **Intermittent**	☐ **Yes** ☐ **No**
			☐ **Continuous** ☐ **Intermittent**	☐ **Yes** ☐ **No**

Form approved for use 9/18/00

"OTHER" DEVIATIONS **Registration No. _____** **Page _____ of _____**
Submitted as Part of Semi-Annual Monitoring Report

Condition No. & Description of Requirement	**Description of Deviation** (time, emission unit, description of event, cause)	**Description of Associated Monitoring Requirement**	**Description of corrective measures taken (*demonstrating a timely & appropriate response*)**

(Report deviations which may have caused excess emissions for more than one hour on a deviation report form, not here.